



CHEMICAL COATED BOPET FILM

PRODUCT DESCRIPTION

Chiripal Poly Films CPT21 is Biaxially Oriented Polyester Transparent film with Inside chemical coated and Outside Corona treated. Chemical coated side is suitable for Printing. This is also available as Inside Corona treatment and Outside chemical coated.

FEATURES

- ▶ Excellent stiffness & mechanical properties.
- ▶ Chemical coating side enhances the ink adhesion in printing, and resulting a good laminate bond strength
- ▶ Excellent transparency and surface properties.
- ▶ Suitable for UV and solvent based ink system.
- ▶ Excellent machine ability & dimensional stability over a wide range of temperature.

APPLICATION

- ▶ Used for packaging food and non-food like tea, coffee, shampoo, pesticides liquid detergent etc.
- ▶ Used for carton laminates and liquid packaging Suitable for liquid packaging
- ▶ This is also suitable for sterilization process and recommended temperature of 121 degC, 30 min subjected to Retort grade inks and Adhesives systems used by the customers

PROPERTIES		UNIT	TEST METHOD	CP10 T21	CP12 T21	CP15 T21	CP19 T21	CP23 T21	CP36 T21
Nominal Thickness		Micron	Internal Method	10	12	15	19	23	36
		Gauge		40	48	60	76	92	144
Yield		m²/kg		71.4	59.5	47.6	37.6	31.1	19.8
MECHANICAL PROPERTIES (Min)									
Tensile Strength	MD	kg/cm²	ASTM D-882	2200	2200	2200	2100	2100	1900
	TD			2100	2100	2100	2000	2000	1800
Elongation Break	MD	%	ASTM D-882	100	100	100	100	100	110
	TD			90	90	90	90	90	100
THERMAL PROPERTIES (Max)									
Thermal Shrinkage (at 150°C /30 mins)	MD	%	ASTM D-1204	2.4	2.4	2.4	2.4	2.4	2.4
	TD			0.4	0.4	0.4	0.4	0.4	0.4
SURFACE PROPERTIES (Max)									
COF (Film to Film), A/B Surface	Static	-	ASTM D-1894	0.46	0.46	0.46	0.46	0.46	0.46
	Dynamic			0.36	0.36	0.36	0.36	0.36	0.36
SURFACE TENSION									
Coated Side		Dyne/cm	ASTM D-2578	42	42	42	42	42	42
Corona Treated Side				54	54	54	54	54	54
OPTICAL PROPERTIES									
Haze (Max)		%	ASTM D-1003	3.0	3.0	3.0	3.5	4.0	4.5
Light Transmission			ASTM D-1003	88	88	88	88	88	88
BARRIER PROPERTIES									
WVTR, 37.7°C, 90% RH		gm/m²m /day	ASTM F-1249	40	40	40	40	40	40
O2 Permeability 23°C, 0%RH		cm³/m² /day	ASTM D-3985-95	130	130	130	130	130	130

Note : MD – Machine Direction, TD – Transverse Direction, COF - Co-efficient of Friction

DISCLAIMER: The property given in the present technical data sheet does not constitute product specification but represents typical performance values based on the best of our knowledge and believed to be accurate. These are given in good faith, and the Customer is requested to satisfy its suitability for its particular purpose. The user is solely responsible for the end-use of the product and needs to perform tests to confirm the product suitability/compatibility in all respects. Chiripal Poly Films does not guarantee typical values and reserves the right to change the technical datasheet anytime required to enhance the quality of the products without prior information.